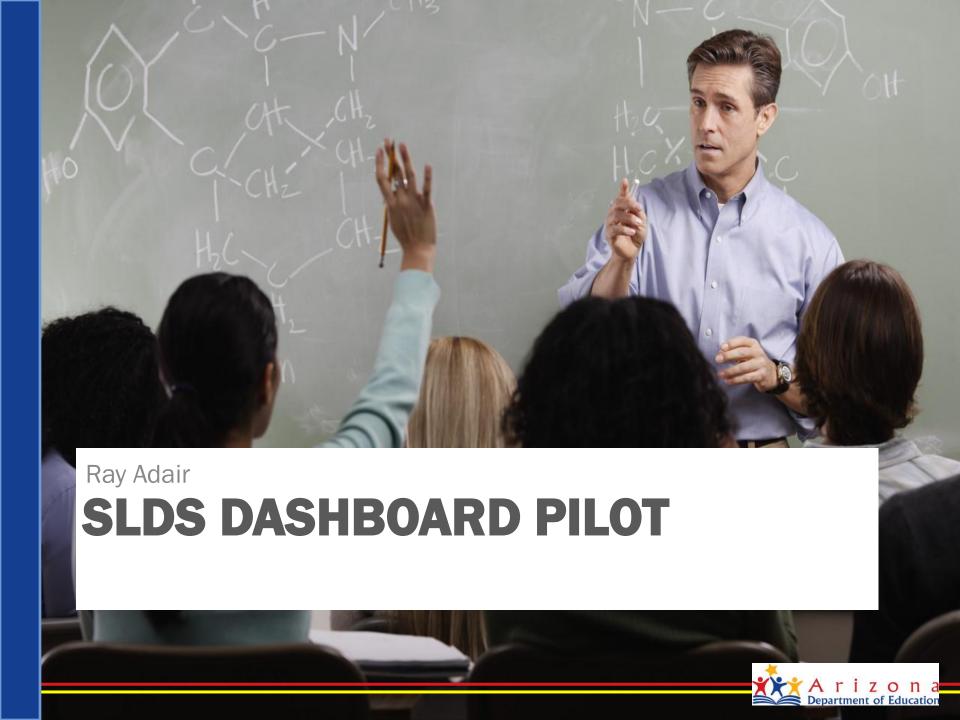
ADE IT: Luncheon General Session



Presented to: Arizona CIO/CTO Forum 2012 October 4, 2012

Pamela Smith
Executive Director, Strategic
Programs



State Longitudinal Data System (ED³S)

Improve Student Achievement and Graduation Rates

Support the Increasing Demands for Data and Information(P20W)

SLDS

Goals

Improve State,
District, School and
Educator Efficacy

Program and Policy
Decisions and Best
Practices



AZ ED³S Maturity Levels Defined

1 2 3 4

Integration Reporting Analytics Education Intelligence

Identity, content, data and process

Community wide access

Everyone tracking to same the goals

Next Generation Learning



SLDS functional roadmap

Student Dashboards

- Demographics
- Program & Needs
- Attendance
- Assessments
- Student Transcripts
- Student Growth
- College Readiness

School Dashboards

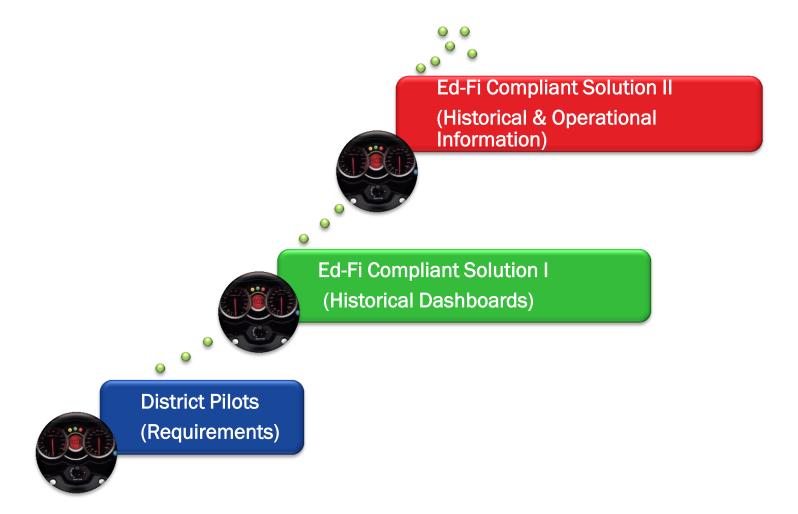
- Demographics
- Schedule/Calendar
- Enrollments
- Graduation Rate
- Dropout Rate
- School Performance

Teacher Dashboards

- Teacher
 Assessments
- Student- Teacher connection for courses taken



SLDS program roadmap



SLDS pilot program roadmap

District Pilots

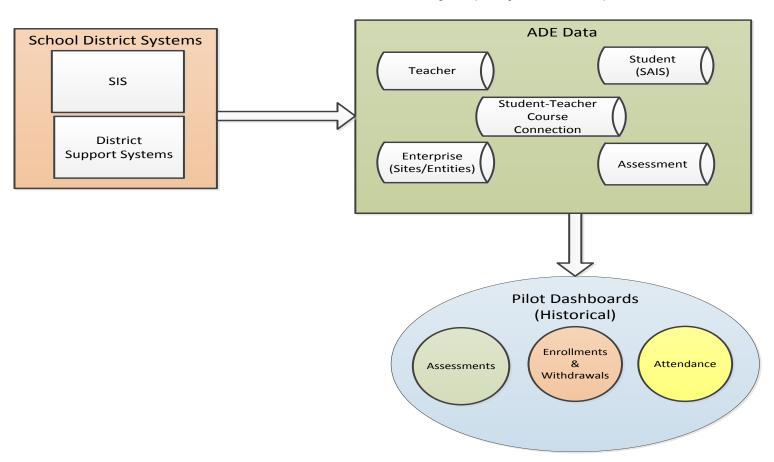
(Requirements Gathering)

- Vail School District
 - Mid-November Mid December
- One 5th grade class
 - 5 Dashboards
 - Historical information only
 - Assessments
 - Attendance
 - Enrollments and withdrawals
 - Additional pilots
 - January thru February



SLDS technical roadmap

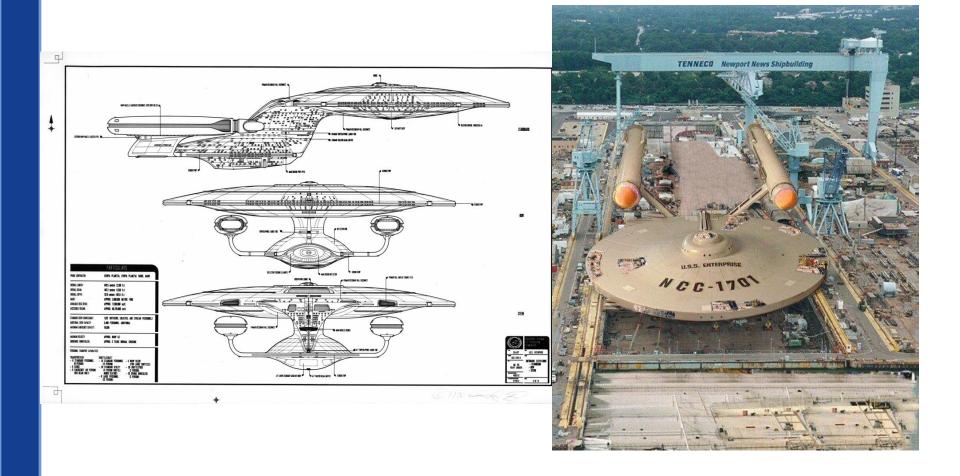
SLDS District Pilots Project(Requirements)







This is not Enterprise Architecture





What is Enterprise Architecture?

Protect the CIO from being fired because the IT Department is the most expensive and despised cost center.

- EA Survey Respondent

EA is the process of translating business vision and strategy into effective enterprise change by creating, communicating and improving the key requirements, principles and models that describe the enterprise's future state and enable its evolution.

- Gartner



Your ADE is changing

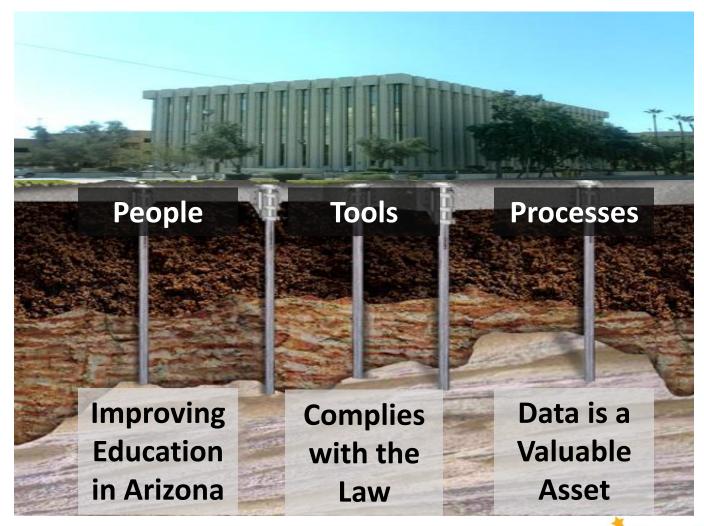
From

- Compliance Agency
- Isolated Program Areas
- Ad-hoc Processes
- Adversarial Relationship

To

- Service Agency
- One, Unified Agency
- Repeatable Processes
- Partnering with LEAs

Building a better ADE





Data is a valuable asset

The data we collect and generate is a valuable asset to the ADE and Arizona's educational community, and needs to be managed with care and used effectively.

- Data must be as accurate, high quality, and consistent as possible.
- There must be transparency in the processes used to collect and generate the data or its validity will be questioned.
- We must protect the data to ensure that privacy regulations are met.
- Sharing our data (subject to applicable laws and regulations)
 with those that share our goal of improving education in
 Arizona amplifies its value.
- There is time value to our data. The faster it is disseminated the more actionable it is.



Data Governance

- What is it
 - Policies, procedures and process for the collection and use of data
 - Data Architecture aligned with standards CEDS and Ed-Fi
- What it means for you
 - We will provide you with a clear schedule of what data is needed from you, when it required, why it is required.
 - We will work with you to create polices that ensure that the data you provide us is managed and used as intended.
 - We will standardize on definitions for data elements so that we can eliminate redundant data requests, reduce data errors, and improve efficiency.

This is a road that we must travel down together.



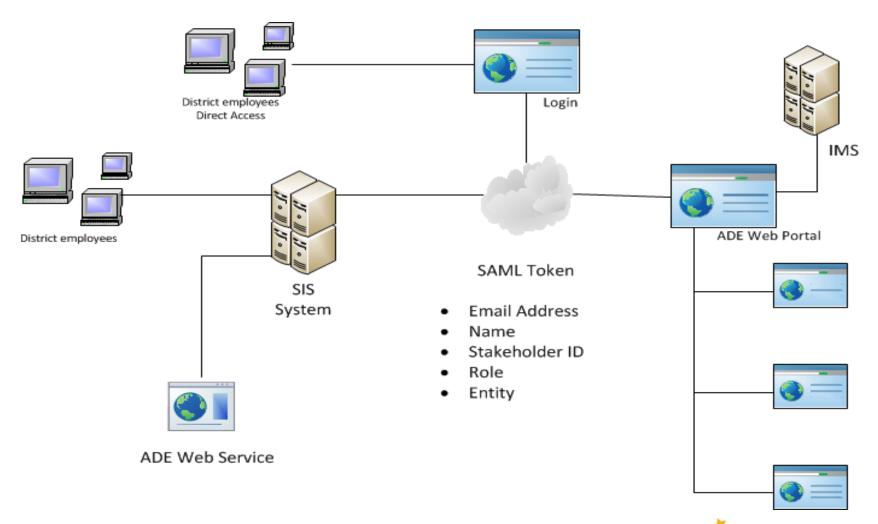


Glen McMath

IDENTITY MANAGEMENT SOLUTION



Proposed Identity Management Solution



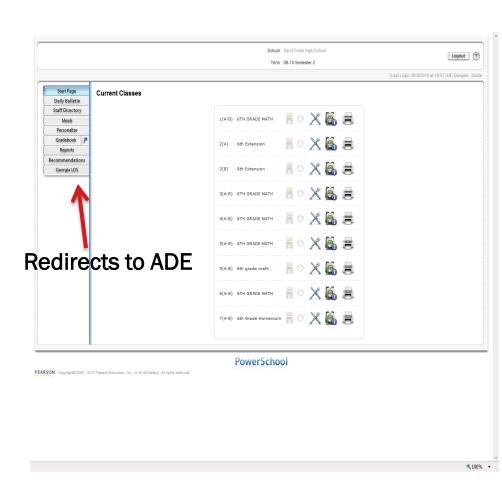
Federated identity management

- Provides "single sign-on" convenience and efficiencies
- Use the sign on from the SIS system
- No need for an additional ID or password to remember
- When removed from SIS can not access state systems



Adding access to ADE systems

- Add a link to SIS system for state systems
- A web page calls an ADE provided webservice to create a SAML token
 - Email Address
 - Name (First, Middle, Last)
 - Stakeholder ID
 - Role
 - Entity

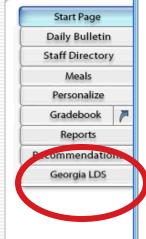




School: Sand Creek High School

Term: 09-10 Semester 2

(Last Login: 8/



Current Classes



Providing direct access to ADE

 For those needing access before SIS updated

Will login with their email address



Future ADE portal

Landing page for state system access

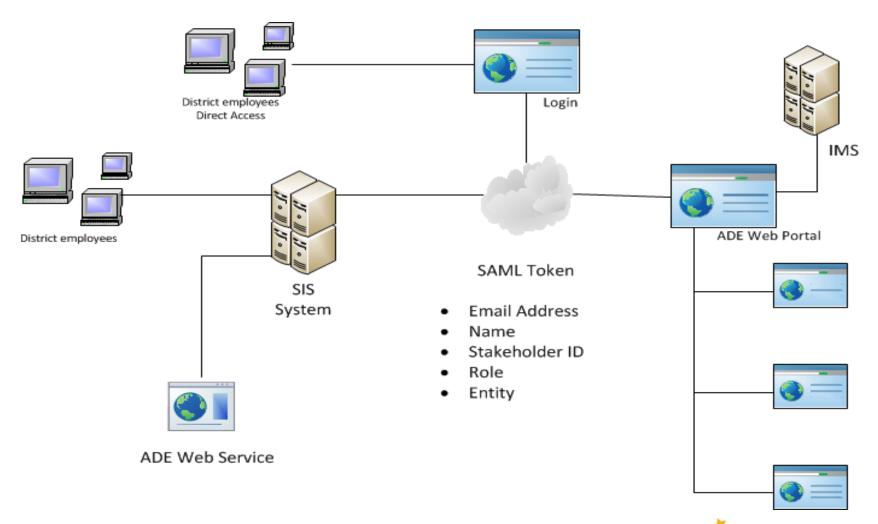
 IMS system can add additional system access by role or specific applications

Pages will be relevant based on role provided

Replacing Common Logon and EduAccess



Proposed Identity Management Solution





Jolene Newton

AELAS BUSINESS CASE PREVIEW





Recommendation hierarchy

Core Competencies

EDUCATION INTELLIGENCE

- Education Data-Driven Decision System
- Centralized Systems; De-Centralized Execution
- New and advanced data exchange platforms
- Extend Integrated Platform of Core Capabilities

Industry Practices and Frameworks

- The Open Group Architectural Framework (TOGAF)
- Information Technology Infrastructure Library (ITIL)
- Business Governance / Policy Management Process
- Project Management Organization (PMO)

Improve Data Quality and Replace ADE Applications

- Master Data Management
- Data Management Process
- CEDS/Ed-Fi
- Replace SAIS
- Replace Enterprise Database
- Integrated Platform of Core Capabilities



Questions



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